INTERNATIONALSEARCHREPORT

International application No.

PCT/JP2004/016482

A. CLA	A. CLASSIFICATION OF SUBJECT MATTER			
Int.Cl7 E	HO1M 4/58,4/02,10/40			
According to	o International Patent Classification (IPC) or to both n	national classification and IPC		
	DS SEARCHED			
	ocumentation searched (classification system followed by	classification symbols)	 	
Int.Cl 7	HO1M 4/58,4/02,10/40			
	•	•		
Documentat	ion searched other than minimum documentation to the	extent that such documents are included in t	he fields searched	
Japanese	Utility Model Gazette 1922-1996, Japane lons 1971-2004, Japanese Registered Util	de Dublication of Macronical was	lity Model	
Containir	ng the Utility Model 1996-2004	TLY MOUGI GAZELLG 1994-2004, U	Sapanese Gazette	
Electronic da	ata base consulted during the international search (name	of data base and, where practicable, search te	rms used)	
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C. DOCUI	MENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.	
			Reievant to claim 140.	
A	JP 11-54123 A, (MATSUSHITA	ELECTRIC IND CO	1-34	
	LTD),1999.02.26,claim1-6,e	xamples		
	& WO 98/54779 A1 & EP 917 & US 2002/61445 A1	228 A1		
	& 05 2002/61445 AT			
A	JP 2003-173778 A, (KAWASAKI	STERI. CORP)	1-34	
	2003.06.20		T-3#	
	claims1-8,examples & WO 2	004/11370 A1		
7	TD 2002 07007 & /HTM2/HT M			
A	JP 2002-87807 A, (НІТАСНІ М 2002.03.27	AXELL K.K.),	1-34	
	claims1-4, examples (no fa	mil Tre)	,	
	Charles a fortunity were free war	mily,	1-34	
A	JP 11-343108 A, (OSAKA GAS	CO LTD).	エーコゼ	
	1999.12.14, claims1-10, exam	ple3,8	•	
	& WO 97/18160 A1 & EP 861		•	
	& CN 1202142 A		1	
Further documents are listed in the continuation of Box C. See patent family annex.				
* Special categories of cited documents: "A" document defining the general state of the art which is not priority date and not in conflict with the application but cited to			nternational filing date or	
conside	red to be of particular relevance application or patent but published on or after the inter-	understand the principle or theory un	nderlying the invention	
nationa	l'filing date ent which may throw doubts on priority claim(s) or which	be considered novel or cannot be	considered to involve an	
is cited	to establish the publication date of another citation or other reason (as specified)	"Y" document of particular relevance: the	claimed invention cannot	
"O" docume	ent referring to an oral disclosure, use, exhibition or other	combined with one or more other	step when the document is	
means	ent published prior to the international filing date but later	combination being obvious to a perso	on skilled in the art	
than the	e priority date claimed	I account monitor of the same paten		
Date of the actual completion of the international search Date of mailing of the international search report				
	07.01.2005	25	1. 2005	
Name and mailing address of the ISA/JP		Authorized officer	1. 2000	
_	Japan Patent Office	Mitsuji Uemae	4X 9445	
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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
P,A	JP 2004-79344 A, (TOKAI CARBON K.K.), 2004.03.11 claim1, examples (no family)	1-34
P,A	JP 2004-210634 A, (JFE CHEM CORP), 2004.07.29 claims1-28, examples & WO 2004/56703 A1	1-34
A	JP 11-154513 A, (MATSUSHITA ELECTRIC IND CO LTD), 1999.06.08	1-34
•	claims1-8,examples & EP 903799 A2 & US 6420070 B2	; *
P,A	JP 2004-220926 A, (MATSUSHITA ELECTRIC IND CO LTD), 2004.08.05 claims1-3, examples (no family)	1-34
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